

## **SECTION 4**

### **DEMAND AND REVENUE FORECASTS**

#### **Introduction**

This section describes the process used to develop the demand and revenue forecast for: 1) the introduction of Physical Collocation service, 2) the modification of the current Virtual Collocation service, and 3) the introduction of Term Pricing Plans for Collocation Interconnection Service offerings.

#### **Demand Forecast**

The demand forecast for Collocated Interconnection Service is based on an evaluation of the requirements and growth trends of the current interconnection market. Bell Atlantic forecasted the growth of services, as well as the migration of existing services into the proposed Term Pricing Plans. Demand for Cage Construction is based on the number of sites forecasted for Physical Collocation. Since Collocators' cages do not currently exist, it is assumed that Collocators will require the standard 100 square foot cage. Workpapers 5-13 and 5-13.1 contain the demand forecast and a summary of the costs and rates.

The demand for Short-Term DS3 Service was based on Collocator requests for DS3 service for trade shows and demonstrations.

#### **Revenue Forecast**

The projected revenues were calculated by multiplying the proposed rates for Physical Collocation by the projected demand. The projected revenues, based on the new Virtual Collocation rates, were calculated by multiplying the proposed rates by the new projected demand. Cross-elastic impacts cannot be forecasted with any accuracy and are therefore not included in this filing. The projected annual costs and revenues are calculated on Workpapers 5-14 and 5-14.1.

## **SECTION 5**

### **WORKPAPERS**

| <b><u>Workpapers</u></b> | <b><u>Description</u></b>   |
|--------------------------|---|
| 5-1                      | Physical: DS1 & DS3 Cross-Connect Costs and Rate Development              |
| 5-2                      | Virtual: DS1 & DS3 Cross-Connect Costs and Rate Development               |
| 5-3                      | Physical/Virtual: Short-Term DS3 Cross-Connect Costs and Rate Development |
| 5-4                      | Physical: Design and Planning Fee   |
| 5-5                      | Physical: Cage, AC Outlet, and Overhead Lighting Construction Costs       |
| 5-6                      | Physical: Cable-Support Structure and Installation Costs                  |
| 5-7                      | Physical: DC Power Costs  |
| 5-8                      | Physical: Network Cable Rack Costs  |
| 5-9                      | Central Office Occupancy Fees   |
| 5-10                     | Overhead Loading Factors  |
| 5-11 & 5-11.1            | Physical: Rates and Term Pricing Plans                                    |
| 5-12                     | Virtual: Rates and Term Pricing Plans                                     |
| 5-13 & 5-13.1            | Annual Demand Forecasts   |
| 5-14 & 5-14.1            | Annual Costs and Revenues   |

## PHYSICAL COLLOCATED INTERCONNECTION

## CROSS-CONNECT CHARGES - COST and RATE DEVELOPMENT

| <u>LINE</u>         | <u>CATEGORY</u>   | <u>SOURCE</u> | <u>DS3</u> | <u>DS1</u> |
|---------------------|---|---------------|------------|------------|
| 1.                  | UNIT INVESTMENT   | Cost Study    | \$3,834.04 | \$463.53   |
| 2.                  | DEPRECIATION  | Cost Study    | \$399.61   | \$49.92    |
| 3.                  | COST OF MONEY   | Cost Study    | \$309.75   | \$36.42    |
| 4.                  | INCOME TAX  | Cost Study    | \$141.65   | \$16.66    |
| 5.                  | MAINTENANCE   | Cost Study    | \$23.79    | \$3.90     |
| 6.                  | ADMINISTRATION  | Cost Study    | \$114.32   | \$13.87    |
| 7.                  | OTHER TAX   | Cost Study    | \$23.19    | \$2.80     |
| 8.                  | ANNUAL DIRECT COSTS   | L2 + ... L7   | \$1,012.31 | \$123.57   |
| 9.                  | MONTHLY DIRECT COSTS  | L8 / 12       | \$84.36    | \$10.30    |
| <hr/>               |   |               |            |            |
| RATE DEVELOPMENT    |   |               |            |            |
| 10.                 | MONTH-TO-MONTH<br>- DS1 Overhead - 1.700, DS3 - 2.0634            |               | \$174.07   | \$17.51    |
| 11.                 | 3 YEAR TERM PRICING PLAN<br>- DS1 Overhead - 1.4571, DS3 - 1.8088 |               | \$152.59   | \$15.01    |
| 12.                 | 5 YEAR TERM PRICING PLAN<br>- DS1 Overhead - 1.2953, DS3 - 1.2729 |               | \$107.38   | \$13.34    |
| <hr/>               |   |               |            |            |
| COST TO RATE RATIOS |   |               |            |            |
| 13.                 | DIRECT COST TO INVESTMENT   | L8 / L1       | 0.2640     | 0.2666     |
| 14.                 | DIRECT COST TO RATE   |               |            |            |
|                     | - Month-to-Month  | L9 / L10      | 0.4846     | 0.5882     |
|                     | - 3 Year TPP  | L9 / L11      | 0.5529     | 0.6863     |
|                     | - 5 Year TPP  | L9 / L12      | 0.7856     | 0.7720     |

## VIRTUAL COLLOCATED INTERCONNECTION

## CROSS-CONNECT CHARGES - COST and RATE DEVELOPMENT

| <u>LINE</u> | <u>CATEGORY</u>      | <u>SOURCE</u> | <u>DS3</u> | <u>DS1</u> |
|-------------|----------------------|---------------|------------|------------|
| 1.          | UNIT INVESTMENT      | Cost Study    | \$8,798.05 | \$648.78   |
| 2.          | DEPRECIATION         | Cost Study    | \$427.64   | \$52.29    |
| 3.          | COST OF MONEY        | Cost Study    | \$402.46   | \$40.36    |
| 4.          | INCOME TAX           | Cost Study    | \$184.27   | \$18.46    |
| 5.          | MAINTENANCE          | Cost Study    | \$54.07    | \$5.08     |
| 6.          | ADMINISTRATION       | Cost Study    | \$260.47   | \$19.03    |
| 7.          | OTHER TAX            | Cost Study    | \$32.24    | \$3.14     |
| 8.          | ANNUAL DIRECT COSTS  | L2 + ... L7   | \$1,361.16 | \$138.36   |
| 9.          | MONTHLY DIRECT COSTS | L8 / 12       | \$113.43   | \$11.53    |

## RATE DEVELOPMENT

|     |   |  |          |         |
|-----|---|--|----------|---------|
| 10. | MONTH-TO-MONTH<br>- DS1 Overhead - 1.700, DS3 - 1.8270 *          |  | \$207.24 | \$19.60 |
| 11. | 3 YEAR TERM PRICING PLAN<br>- DS1 Overhead - 1.4571, DS3 - 1.8088 |  | \$205.17 | \$16.80 |
| 12. | 5 YEAR TERM PRICING PLAN<br>- DS1 Overhead - 1.2953, DS3 - 1.2729 |  | \$144.38 | \$14.93 |

## COST TO RATE RATIOS

|     |                           |          |        |        |
|-----|---------------------------|----------|--------|--------|
| 13. | DIRECT COST TO INVESTMENT | L8 / L1  | 0.1547 | 0.2133 |
| 14. | DIRECT COST TO RATE       |          |        |        |
|     | - Month-to-Month          | L9 / L10 | 0.5473 | 0.5882 |
|     | - 3 Year TPP              | L9 / L11 | 0.5529 | 0.6863 |
|     | - 5 Year TPP              | L9 / L12 | 0.7856 | 0.7720 |

\* DS3 Overhead factor 1.8270 was used to maintain a monthly rate equal to the current tariff. Because this overhead loading differs from the currently prescribed for virtual collocation service, on May 31, 1996, Bell Atlantic filed a petition for Interim Waiver.

## PHYSICAL / VIRTUAL COLLOCATED INTERCONNECTION

CROSS-CONNECT CHARGES  
COST and RATE DEVELOPMENT  
SHORT-TERM DS3

| <u>LINE</u>                | <u>CATEGORY</u>           | <u>SOURCE</u>      | <u>PHYSICAL<br/>DS3</u> | <u>VIRTUAL<br/>DS3</u> |
|----------------------------|---------------------------|--------------------|-------------------------|------------------------|
| 1.                         | UNIT INVESTMENT           | Cost Study         | \$3,834.04              | \$8,798.05             |
| 2.                         | DEPRECIATION              | Cost Study         | \$399.61                | \$427.64               |
| 3.                         | COST OF MONEY             | Cost Study         | \$309.75                | \$402.46               |
| 4.                         | INCOME TAX                | Cost Study         | \$141.65                | \$184.27               |
| 5.                         | MAINTENANCE               | Cost Study         | \$23.79                 | \$54.07                |
| 6.                         | ADMINISTRATION            | Cost Study         | \$114.32                | \$260.47               |
| 7.                         | OTHER TAX                 | Cost Study         | \$23.19                 | \$32.24                |
| 8.                         | ANNUAL DIRECT COSTS       | L2 + ... L7        | \$1,012.31              | \$1,361.16             |
| 9.                         | MONTHLY DIRECT COSTS      | L8 / 12            | \$84.36                 | \$113.43               |
| <b>RATE DEVELOPMENT</b>    |                           |                    |                         |                        |
| 10.                        | SHORT-TERM UTILIZATION    | See Trans. No. 735 | 67%                     | 67%                    |
| 11.                        | SHORT-TERM COST           | L9 / L10           | \$125.91                | \$169.30               |
| 12.                        | SHORT-TERM DS3 OVERHEAD   |                    | 1.571                   | 1.571                  |
| 13.                        | MONTHLY RATE              | L11 x L12          | \$197.81                | \$265.97               |
| <b>COST TO RATE RATIOS</b> |                           |                    |                         |                        |
| 14.                        | DIRECT COST TO INVESTMENT | L8 / L1            | 0.2640                  | 0.1547                 |
| 15.                        | DIRECT COST TO RATE       | L9 / L13           | 0.4265                  | 0.4265                 |

**DESIGN AND PLANNING FEE  
PHYSICAL COLLOCATED INTERCONNECTION  
COST AND RATE DEVELOPMENT**

| ACTIVITY                   | FULLY ASSIGNED<br>LABOR<br>RATE | SINGLE ENTRANCE |                | DUAL ENTRANCE |                | SITE AUGMENTATION |                |  |
|----------------------------|---------------------------------|-----------------|----------------|---------------|----------------|-------------------|----------------|--|
|                            |                                 | TIME            | LABOR<br>COSTS | TIME          | LABOR<br>COSTS | TIME              | LABOR<br>COSTS |  |
| PROJECT COORDINATION       |                                 |                 |                |               |                |                   |                |  |
| - Local Coordinator        | \$79.90                         | 12              | \$958.78       | 15            | \$1,198.50     | 6                 | \$479.40       |  |
| - Product Manager          | \$84.10                         | 1               | \$84.10        | 1             | \$84.10        | 1                 | \$84.10        |  |
| - Adminstrative            | \$75.51                         | 2               | \$151.02       | 2             | \$151.02       | 1                 | \$75.51        |  |
| ENGINEERING                | \$59.56                         | 12              | \$714.72       | 16            | \$952.96       | 0                 | \$0.00         |  |
| NETWORK OPERATIONS         | \$61.93                         | 5               | \$309.65       | 9             | \$557.37       | 5                 | \$309.65       |  |
| REAL ESTATE                |                                 |                 |                |               |                |                   |                |  |
| - Planning, Administration | \$72.05                         | 10              | \$720.50       | 10            | \$720.50       | 3                 | \$216.15       |  |
| SECURITY                   | \$63.29                         | 3               | \$189.87       | 3             | \$189.88       | 1                 | \$63.29        |  |
| POWER                      | \$61.93                         | 4               | \$247.72       | 4             | \$247.72       | 2                 | \$123.86       |  |
| INSURANCE & RISK           | \$76.68                         | 2               | \$153.36       | 2             | \$153.36       | 2                 | \$153.36       |  |
| TOTAL COSTS                |                                 |                 | \$3,529.72     | \$4,255.40    |                | \$1,505.32        |                |  |
| RATES                      |                                 |                 | \$3,530.00     | \$4,255.00    |                | \$1,505.00        |                |  |

**CAGE CONSTRUCTION COSTS  
AC OUTLET CONSTRUCTION COSTS  
OVERHEAD LIGHT CONSTRUCTION COSTS**

| <b>CAGE CONSTRUCTION</b> |                       | <b>STANDARD</b> | <b>NON-<br/>STANDARD</b>  |
|--------------------------|-----------------------|-----------------|---------------------------|
| <u>LINE</u>              | <u>ENCLOSURE SIZE</u> | <u>CAGE</u>     | <u>CAGE<br/>WITH ROOF</u> |
| 1.                       | 100 SQUARE FEET       | \$5,300         | \$7,200                   |
| 2.                       | 200 SQUARE FEET       | \$7,300         | \$10,800                  |
| 3.                       | 300 SQUARE FEET       | \$9,750         | \$14,700                  |
| 4.                       | 400 SQUARE FEET       | \$11,980        | \$18,500                  |

| <b>AC OUTLET CONSTRUCTION</b> | <b>AMOUNT</b> |
|-------------------------------|---------------|
| 5. 120 VOLT AC DUPLEX OUTLET  | \$408         |

| <b>OVERHEAD LIGHT CONSTRUCTION</b>                    | <b>AMOUNT</b> |
|---|---------------|
| 6. TWO-TUBE PENDANT LIGHT FIXTURE<br>WITH WALL SWITCH | \$904         |
| 7. EACH ADDITIONAL LIGHT FIXTURE                      | \$112         |

**COST RATIOS**

| <b>CAGE CONSTRUCTION</b> |                                 |     |
|--------------------------|---------------------------------|-----|
| 8.                       | DIRECT COST TO INVESTMENT       | NA  |
| 9.                       | DIRECT COST TO RATE RATE = COST | 1.0 |

| <b>AC OUTLET CONSTRUCTION</b> |                                 |     |
|-------------------------------|---------------------------------|-----|
| 10.                           | DIRECT COST TO INVESTMENT       | NA  |
| 11.                           | DIRECT COST TO RATE RATE = COST | 1.0 |

| <b>OVERHEAD LIGHT CONSTRUCTION</b> |                                 |     |
|------------------------------------|---------------------------------|-----|
| 12.                                | DIRECT COST TO INVESTMENT       | NA  |
| 13.                                | DIRECT COST TO RATE RATE = COST | 1.0 |

**PHYSICAL COLLOCATED INTERCONNECTION  
CABLE SUPPORT STRUCTURE AND INSTALLATION COSTS**

| <u>LINE</u>   | <u>CATEGORY</u>                      | <u>SOURCE</u> | <u>RESULT</u> |
|---|--------------------------------------|---------------|---------------|
| <b><u>CABLE SUPPORT MONTHLY COSTS</u></b>           |                                      |               |               |
| 1.  | UNIT INVESTMENT                      | Cost Study    | \$5,984.96    |
| 2.  | DEPRECIATION                         | Cost Study    | \$142.92      |
| 3.  | COST OF MONEY                        | Cost Study    | \$613.65      |
| 4.  | INCOME TAX                           | Cost Study    | \$279.09      |
| 5.  | MAINTENANCE                          | Cost Study    | \$0.00        |
| 6.  | ADMINISTRATION                       | Cost Study    | \$173.79      |
| 7.  | OTHER TAX                            | Cost Study    | \$42.24       |
| 8.  | ANNUAL DIRECT COSTS                  | L2 + ... L7   | \$1,251.69    |
| 9.  | MONTHLY DIRECT COSTS                 | L8 / 12       | \$104.31      |
| 10.   | OVERHEAD LOADING FACTOR              | 5 yr TPP DS3  | 1.2729        |
| 11.   | FULLY LOADED COSTS /<br>MONTHLY RATE | L9 x L10      | \$132.77      |
| <b><u>COST TO RATE RATIOS</u></b>                   |                                      |               |               |
| 12.   | DIRECT COST TO INVESTMENT            | L8 / L1       | 0.2091        |
| 13.   | DIRECT COST TO RATE                  | L9 / L11      | 0.7856        |
| <b><u>CABLE INSTALLATION NONRECURRING COSTS</u></b> |                                      |               |               |
| 14.   | CRAFT TECHNICIAN LABOR RATE          | Cost Study    | \$64.78       |
| 15.   | HOURS REQUIRED FOR TASK              | Labor Study   | 10            |
| 16.   | CABLE INSTALLATION COST / RATE       | L14 x L15     | \$647.80      |



## PHYSICAL - COLLOCATED INTERCONNECTION

## DC POWER COSTS

| <u>LINE</u> | <u>CATEGORY</u>   | <u>SOURCE</u>    | <u>RESULT</u> |
|-------------|---|------------------|---------------|
| 1.          | UNIT INVESTMENT   | Cost Study       | \$69,144.11   |
| 2.          | DEPRECIATION  | Cost Study       | \$6,545.70    |
| 3.          | COST OF MONEY   | Cost Study       | \$5,738.12    |
| 4.          | INCOME TAX  | Cost Study       | \$2,620.64    |
| 5.          | MAINTENANCE   | Cost Study       | \$1,582.13    |
| 6.          | ADMINSTRATION   | Cost Study       | \$2,055.16    |
| 7.          | OTHER TAX   | Cost Study       | \$457.80      |
| 8.          | ANNUAL DIRECT COSTS                                     | L2 + ... L7      | \$18,999.54   |
| 9.          | MONTHLY DIRECT COSTS                                    | L8 / 12          | \$1,583.30    |
| 10.         | OVERHEAD LOADING FACTOR                                 | 5 YR TPP         | 1.2729        |
| 11.         | MONTHLY LOADED COSTS                                    | L9 * L10         | \$2,015.38    |
| 12.         | MONTHLY AC POWER COSTS                                  | Cost Study       | \$601.00      |
| 13.         | TOTAL MONTHLY COSTS                                     | L11 + L12        | \$2,616.38    |
| 14.         | 10 AMP CIRCUITS PER SOURCE                              | Equip. Standards | 15            |
| 15.         | MONTHLY COSTS PER 48V,<br>10 AMP CIRCUIT / MONTHLY RATE | L13 / L14        | \$174.43      |

## COST TO RATE RATIOS

|     |                            |                          |        |
|-----|----------------------------|--------------------------|--------|
| 16. | DIRECT COST TO INVESTMENT  | L8 / L1                  | 0.2748 |
| 17. | TOTAL DIRECT COSTS TO RATE | [(L9 + L12) / L14] / L15 | 0.8349 |

## NETWORK CABLE RACK COSTS

| <u>LINE</u>                      | <u>CATEGORY</u>         | <u>SOURCE</u> | <u>AMOUNT</u> |
|----------------------------------|-------------------------|---------------|---------------|
| <b><u>NETWORK CABLE RACK</u></b> |                         |               |               |
| 1                                | UNIT INVESTMENT         | Cost Study    | \$56.72       |
| 2                                | DEPRECIATION            | Cost Study    | \$1.42        |
| 3                                | COST OF MONEY           | Cost Study    | \$5.87        |
| 4                                | INCOME TAX              | Cost Study    | \$2.67        |
| 5                                | MAINTENANCE             | Cost Study    | \$0.16        |
| 6                                | ADMINISTRATION          | Cost Study    | \$1.65        |
| 7                                | OTHER TAX               | Cost Study    | \$0.58        |
| 8                                | ANNUAL DIRECT COSTS     | L2 + ... L7   | \$12.35       |
| 9                                | MONTHLY DIRECT COSTS    | L8 / 12       | \$1.03        |
| 10                               | OVERHEAD LOADING FACTOR |               | 1.2729        |
| 11                               | FULLY LOADED COSTS      | L9 x L10      | \$1.31        |
|                                  | MONTHLY RATE            |               | \$1.31        |

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**COST RATIOS**

|    |                           |          |        |
|----|---------------------------|----------|--------|
| 12 | Direct Cost to Investment | L8 / L1  | 0.2178 |
| 13 | Direct Cost to Rate       | L9 / L11 | 0.7856 |

## CENTRAL OFFICE OCCUPANCY FEES

## PHYSICAL COLLOCATED INTERCONNECTION

| CO NAME & CLLI              | CO ADDRESS                         | CENTRAL<br>OFFICE<br>RATE BAND | ANNUAL<br>RATE<br>per sq. ft. | MONTHLY<br>RATE<br>per sq. ft. |
|-----------------------------|------------------------------------|--------------------------------|-------------------------------|--------------------------------|
| 1 Allentown ALTWPAAL        | 723 Linden St., Allentown          | 3                              | \$23.52                       | \$1.96                         |
| 2 Altoona ALNAPAAL          | 1119 16th St., Altoona             | 1                              | \$16.20                       | \$1.35                         |
| 3 Ambler AMBLPAAM           | 20 N. Spring Garden St., Ambler    | 4                              | \$27.96                       | \$2.33                         |
| 4 Ambridge AMBRPAAM         | 9th and Merchant, Ambridge         | 1                              | \$16.20                       | \$1.35                         |
| 5 Ardmore ARMRPAAR          | 116 E Lancaster Av., Ardmore       | TBD                            |                               |                                |
| 6 Bala Cynwyd BCYNPABC      | 321 Levering Mill Rd., Bala Cynwyd | 5                              | \$32.52                       | \$2.71                         |
| 7 Bethlehem BHLHPABE        | 525 N. New St., Bethlehem          | 3                              | \$23.52                       | \$1.96                         |
| 8 Bryn Mawr BCYNPABC        | 1102 E Lancaster Av., Bryn Mawr    | TBD                            |                               |                                |
| 9 Camp Hill CPHLPACH        | 125 S. 30th St., Camp Hill         | 2                              | \$19.44                       | \$1.62                         |
| 10 Churchville CHVLPACH     | 1518 Bustleton Pk., Churchville    | 3                              | \$23.52                       | \$1.96                         |
| 11 Conshohocken CNSHPACN    | 181 North Lane, Conshohocken       | 5                              | \$37.56                       | \$2.71                         |
| 12 Coraopolis CRPLPACO      | 410 Broadway, Coraopolis           | VIRTUAL                        |                               |                                |
| 13 Crafton CRAFTPACR        | 11 Sidney St., Crafton             | 3                              | \$23.52                       | \$1.96                         |
| 14 Dewey PHLAPADE           | 2000 S. Broad St., Philadelphia    | 5                              | \$32.52                       | \$2.71                         |
| 15 Downtown PITBPADT        | 416 Seventh Ave., Pittsburgh       | 2                              | \$19.44                       | \$1.62                         |
| 16 Eddington EDTNPAED       | 2920 Forrest Ave., Eddington       | 5                              | \$32.52                       | \$2.71                         |
| 17 Evergreen PHLAPAEV       | 3810 Chestnut St., Philadelphia    | 6                              | \$37.56                       | \$3.13                         |
| 18 Gtr Phg Airport GPIAPAMT | Coraopolis                         | 2                              | \$19.44                       | \$1.62                         |
| 19 Greensburg GNBGPAGR      | 111 W. Pittsburgh St., Greensburg  | 2                              | \$19.44                       | \$1.62                         |
| 20 Harrisburg HRBGPAAH      | 210 Pine St., Harrisburg           | 2                              | \$19.44                       | \$1.62                         |
| 21 Hatboro HTBOPAHB         | 29 E. Moreland Ave., Hatboro       | 4                              | \$27.96                       | \$2.33                         |
| 22 Jefferson PHLAPAJE       | 4808 Leiper St., Philadelphia      | 4                              | \$27.96                       | \$2.33                         |
| 23 King of Prussia KGPRPAKP | 540 Allendale Rd., King of Prussia | 5                              | \$32.52                       | \$2.71                         |
| 24 Kuhnsville KHVLPAPU      | Old Route 22 - RF #3, Kuhnsville   | 3                              | \$23.52                       | \$1.96                         |
| 25 Lancaster LNCSPALA       | 126 N. Duke St., Lancaster         | 2                              | \$19.44                       | \$1.62                         |
| 26 Locust PHLAPALO          | 1631 Arch St., Philadelphia        | 6                              | \$37.56                       | \$3.13                         |
| 27 Market PHLAPAMK          | 900 Race St., Philadelphia         | 5                              | \$32.52                       | \$2.71                         |
| 28 Mechanicsburg MBRGPAME   | 14 N. High St., Mechanicsburg      | 2                              | \$19.44                       | \$1.62                         |
| 29 Monroeville MOVLPAMO     | 4206 Northern Pk., Monroeville     | 3                              | \$23.52                       | \$1.96                         |
| 30 North Side PITBPANS      | 15 E Montgomery, Northside         | TBD                            |                               |                                |
| 31 Oakland PITBPAOK         | 530 N. Neville St., Pittsburgh     | 3                              | \$23.52                       | \$1.96                         |
| 32 Orchard PHLAPAOR         | 2210 Lott St., Philadelphia        | 4                              | \$27.96                       | \$2.33                         |
| 33 Paoli PAOLPAPA           | 125 Circular Ave., Paoli           | VIRTUAL                        |                               |                                |
| 34 Paxtonia PXTNPAPA        | 4806 Jonestown Rd., Paxtonia       | 1                              | \$16.20                       | \$1.35                         |
| 35 Pennypacker PHLAPAPE     | 423 S. 17th St., Philadelphia      | 6                              | \$37.56                       | \$3.13                         |
| 36 Perrysville PYVLPAPV     | 1104 Perry Hwy., Perrysville       | 2                              | \$19.44                       | \$1.62                         |
| 37 Pilgrim PHLAPAPI         | 7254 Rising Sun Ave., Philadelphia | 4                              | \$27.96                       | \$2.33                         |
| 38 Pottstown PTTWPAPT       | 235 King St., Pottstown            | 3                              | \$23.52                       | \$1.96                         |
| 39 Reading RDNGPARE         | 419 Washington St., Reading        | 5                              | \$32.52                       | \$2.71                         |
| 40 Robinson Tp. RBTPPART    | Rt 60, Campbells Run, Robinson Tp  | VIRTUAL                        |                               |                                |
| 41 Scranton SCTNPASC        | 121 Adams Ave., Scranton           | 2                              | \$19.44                       | \$1.62                         |
| 42 Sewickley SWKYPASE       | 621 Beaver St., Sewickley          | 3                              | \$23.52                       | \$1.96                         |
| 43 Sharpsburg SHSAPASH      | 1346 Main St., Sharpsburg          | 2                              | \$19.44                       | \$1.62                         |
| 44 State College STCGPAES   | 250 S. Allen St., State College    | 3                              | \$23.52                       | \$1.96                         |
| 45 Waverly PHLAPAWV         | 6468 N. Broad St., Philadelphia    | 4                              | \$27.96                       | \$2.33                         |
| 46 Wayne WAYNPAWY           | 300 W. Lancaster Ave., Wayne       | 5                              | \$32.52                       | \$2.71                         |
| 47 West Chester WCHSPAWC    | 401 S. High St., West Chester      | 4                              | \$27.96                       | \$2.33                         |
| 48 Wilkes-Barre WLBRPAWB    | 222 S. Main St., Wilkes-Barre      | VIRTUAL                        |                               |                                |
| 49 Wilkinsburg WKBGPAWK     | 1026 Hay St., Wilkinsburg          | 2                              | \$19.44                       | \$1.62                         |

## CENTRAL OFFICE OCCUPANCY FEES

## PHYSICAL COLLOCATED INTERCONNECTION

| CO NAME & CLLI             | CO ADDRESS                          | CENTRAL<br>OFFICE<br>RATE BAND | ANNUAL<br>RATE<br>per sq. ft. | MONTHLY<br>RATE<br>per sq. ft. |
|----------------------------|-------------------------------------|--------------------------------|-------------------------------|--------------------------------|
| 1 Atlantic City ATCYNJAC   | 1609 Pacific Ave., Atlantic City    | 3                              | \$23.52                       | \$1.96                         |
| 2 Bedminster BDMNNJ01      | Highways 202/206 & 287, Bedminster  | 6                              | \$37.56                       | \$3.13                         |
| 3 Bergen JRCYNJBR          | 71 Madison Ave., Jersey City        | 2                              | \$19.44                       | \$1.62                         |
| 4 Bernardsville BRVLNJBE   | 147 Highway 202, Bernardsville      | 5                              | \$32.52                       | \$2.71                         |
| 5 Boonton BNTNNJBN         | 205 Lathrop Ave., Boonton           | 2                              | \$19.44                       | \$1.62                         |
| 6 Bound Brook BDBKNJBD     | 204 E. High St., Bound Brook        | VIRTUAL                        |                               |                                |
| 7 Camden CMDNNJCE          | 12 N. 7th St., Camden               | 3                              | \$23.52                       | \$1.96                         |
| 8 Cherry Hill CRHLNJCH     | 2501 Church Rd., Cherry Hill        | 5                              | \$32.52                       | \$2.71                         |
| 9 Cedar Knolls CDKNNJCK    | 88 Horse Hill Rd., Cedar Knolls     | VIRTUAL                        |                               |                                |
| 10 East Orange EORNNJEO    | 621 William St., E. Orange          | 3                              | \$23.52                       | \$1.96                         |
| 11 Edison EDSNNJED         | 1183 Lincoln Hwy., Edison           | 4                              | \$27.96                       | \$2.33                         |
| 12 Elizabeth ELZBNJEL      | 1182-96 E. Grand St., Elizabeth     | 3                              | \$23.52                       | \$1.96                         |
| 13 Englewood ENWDNJEN      | 34 Engle St., Englewood             | 4                              | \$27.96                       | \$2.33                         |
| 14 Fairfield FRFDNJFA      | 80 Highway 46, Fairfield            | VIRTUAL                        |                               |                                |
| 15 Fords FRDSNJFR          | 490-6 New Brunswick Ave., Fords     | VIRTUAL                        |                               |                                |
| 16 Hackensack HCKNNJHK     | 256-60 State St., Hackensack        | 3                              | \$23.52                       | \$1.96                         |
| 17 Holmdel HOLMNJHO        | 970 Holmdel-Keyport Rd., Holmdel    | 3                              | \$23.52                       | \$1.96                         |
| 18 Ironbound NWRKNJIR      | 650-84 Market St., Newark           | 3                              | \$23.52                       | \$1.96                         |
| 19 Journal Square JRCYNJJO | 773 Summit Ave., Jersey City        | 4                              | \$27.96                       | \$2.33                         |
| 20 Laurel Springs LRSPNJLS | 29-35 Broadway, Laurel Springs      | 4                              | \$27.96                       | \$2.33                         |
| 21 Little Ferry LTFYNJLF   | 282 Main St., Little Ferry          | 3                              | \$23.52                       | \$1.96                         |
| 22 Livingston LVTNNJLI     | 47-53 Mt. Pleasant Ave., Livingston | 4                              | \$27.96                       | \$2.33                         |
| 23 Marlton MARLNJMA        | 10 N. Maple Ave., Marlton           | 4                              | \$26.76                       | \$2.23                         |
| 24 Metuchen MTCHNJMT       | 515 Main St., Metuchen              | 3                              | \$23.52                       | \$1.96                         |
| 25 Moorestown MSTWNJMO     | 105 E. Main St., Moorestown         | 4                              | \$27.96                       | \$2.33                         |
| 26 Morristown MRTWNJMR     | 37 Maple Ave., Morristown           | 3                              | \$23.52                       | \$1.96                         |
| 27 Mountain View MTVWNJMV  | 160 Newark-Pompton Tpk., Wayne      | 3                              | \$23.52                       | \$1.96                         |
| 28 Murray Hill NWPVNJMH    | 846 Mountain Ave., New Providence   | 4                              | \$27.96                       | \$2.33                         |
| 29 New Brunswick NBWKNJNB  | 18-24 Paterson St., New Brunswick   | 3                              | \$23.52                       | \$1.96                         |
| 30 Newark Mkt NWRKNJ02     | 95 William St., Newark Mkt.         | 3                              | \$23.52                       | \$1.96                         |
| 31 Oradell RVEDNJOR        | 945 Kinderkamack Rd., River Edge    | 3                              | \$23.52                       | \$1.96                         |
| 32 Passaic PSSCNJPS        | 133 Prospect St., Passaic           | 1                              | \$16.20                       | \$1.35                         |
| 33 Paterson PTSNNJAR       | 114 Paterson St., Paterson          | 2                              | \$19.44                       | \$1.62                         |
| 34 Penns Neck PNNKNJPN     | 138 Washington Rd., Windsor Twp.    | 5                              | \$32.52                       | \$2.71                         |
| 35 Piscataway PSWYNJPI     | 4 Skiles Ave., Piscataway           | 3                              | \$23.52                       | \$1.96                         |
| 36 Plainfield PLFDNJPF     | 420 Park Ave., Plainfield           | 2                              | \$19.44                       | \$1.62                         |
| 37 Pleasantville PSVLNJPL  | 423 W. Wash. Ave., Pleasantville    | VIRTUAL                        |                               |                                |
| 38 Princeton PRTNNJPC      | 239 Nassau St., Princeton           | 6                              | \$37.56                       | \$3.13                         |
| 39 Ramsey RMSYNJRM         | 36 N. Franklin Tpk, Ramsey          | 3                              | \$23.52                       | \$1.96                         |
| 40 Rochelle Park RCPKNJ01  | 65 W. Passaic St., Rochelle Park    | VIRTUAL                        |                               |                                |
| 41 Roselle RSLLNJRL        | 208 Locust St., Roselle             | 3                              | \$23.52                       | \$1.96                         |
| 42 Rutherford RTRFNJRU     | 40 Orient Way, Rutherford           | 3                              | \$23.52                       | \$1.96                         |
| 43 Somerville SOVLNJSM     | 172-8 W. Main St., Somerville       | 2                              | \$19.44                       | \$1.62                         |
| 44 SouthRiver SORVNJSR     | 318 Cranbury Rd., South River       | VIRTUAL                        |                               |                                |
| 45 Trenton TRENNJTE        | 243 E. State St., Trenton           | 4                              | \$27.96                       | \$2.33                         |
| 46 Union City UNCYNJ02     | 3414 New York Ave., Union City      | 3                              | \$23.52                       | \$1.96                         |
| 47 Westwood HLDLNJWE       | 175 Westerly, Hillsdale             | 4                              | \$27.96                       | \$2.33                         |
| 48 Whippany WHIPNJWH       | 330 Highway 10, Whippany            | 3                              | \$23.52                       | \$1.96                         |
| 49 Wyckoff WYCKNJWK        | 399 Clinton Ave., Wyckoff           | VIRTUAL                        |                               |                                |

## CENTRAL OFFICE OCCUPANCY FEES

## PHYSICAL COLLOCATED INTERCONNECTION

| CO NAME & CLLI             | CO ADDRESS                          | CENTRAL<br>OFFICE<br>RATE BAND | ANNUAL<br>RATE<br>per sq. ft. | MONTHLY<br>RATE<br>per sq. ft. |
|----------------------------|-------------------------------------|--------------------------------|-------------------------------|--------------------------------|
| 1. Berwyn CLPKMDBW         | 6315 Greenbelt Rd., College Park    | 2                              | \$19.44                       | \$1.62                         |
| 2. Bethesda CHCHMDBE       | 4533 Stanford St., Chevy Chase      | 4                              | \$27.96                       | \$2.33                         |
| 3. Bradley BTHSMDBD        | 7887 Bradley Blvd., Bethesda        | 4                              | \$27.96                       | \$2.33                         |
| 4. Charles Street BLTMMDCH | 323 N. Charles St., Baltimore       | 7                              | \$45.12                       | \$3.76                         |
| 5. Churchville CCVLMDC     | Rt. 22, Churchville                 | 2                              | \$19.44                       | \$1.62                         |
| 6. Cockeysville CYVLMDC    | 9720 York Rd., Cockeysville         | 4                              | \$27.96                       | \$2.33                         |
| 7. Columbia CLMAMDCB       | 5231 W. Running Brook Rd, Columbia  | 4                              | \$27.96                       | \$2.33                         |
| 8. Frederick FRDRMDFR      | 33 E. Patrick St., Frederick        | 2                              | \$19.44                       | \$1.62                         |
| 9. Friendship FPAATMDFR    | 765 Elkridge Landing Rd., Linthicum | VIRTUAL                        |                               |                                |
| 10. Gaithersburg GTBGMDGB  | 5 N. Frederick Ave., Gaithersburg   | 2                              | \$19.44                       | \$1.62                         |
| 11. Glen Burnie GLBRMDGL   | 215 Ritchie Ln., Glen Burnie        | 2                              | \$19.44                       | \$1.62                         |
| 12. Hagerstown HGTWMDHG    | 120 W. Antietam St., Hagerstown     | 2                              | \$19.44                       | \$1.62                         |
| 13. Hunt Valley CYVLMDDA   | York & Shawan Rds., Cockeysville    | VIRTUAL                        |                               |                                |
| 14. Hyattsville HYVLMDDH   | 5500 Baltimore Ave., Hyattsville    | 2                              | \$19.44                       | \$1.62                         |
| 15. Landover LDVRMDLO      | 7781 Landover Rd., Landover         | 2                              | \$19.44                       | \$1.62                         |
| 16. Lanham LNHMMDLN        | 5649 Whitfield Chapel Rd., Lanham   | VIRTUAL                        |                               |                                |
| 17. Laurel LARLMDLR        | 309 Carroll Ave., Laurel            | 3                              | \$23.52                       | \$1.96                         |
| 18. Montrose RKVLMMDR      | 6015 Montrose Rd., Rockville        | VIRTUAL                        |                               |                                |
| 19. Odenton ODTNMDON       | Rt. 175E Nevada Ave., Odenton       | 2                              | \$19.44                       | \$1.62                         |
| 20. Owen Brown CLMAMDOB    | Oakland Mills Rd., Columbia         | VIRTUAL                        |                               |                                |
| 21. Owings Mills OWMLMDOM  | St. Thomas Ln., Owings Mills        | VIRTUAL                        |                               |                                |
| 22. Rockville RKVLMMDR     | 200 Oak Ave., Rockville             | 2                              | \$19.44                       | \$1.62                         |
| 23. Salisbury SLBRMDSB     | 128 E. Church, Salisbury            | 1                              | \$16.20                       | \$1.35                         |
| 24. Silver Spring SLSPMDSS | 8670 Georgia Ave., Silver Spring    | 3                              | \$23.52                       | \$1.96                         |
| 25. Suitland STLDMDSL      | 5705 Old Silver Hill Rd., Suitland  | VIRTUAL                        |                               |                                |
| 26. Towson TWSNMDTW        | 100 York Rd., Towson                | 5                              | \$32.52                       | \$2.71                         |
| 27. Wildwood BTHSMDWW      | 5704 Grosvenor Ln., Bethesda        | 4                              | \$27.96                       | \$2.33                         |
| 28. Wood Acres BTHSMDWA    | 6200 Goldsboro Rd., Bethesda        | 4                              | \$27.96                       | \$2.33                         |
| 29. Woodlawn WDLWMDWL      | 6601 Windsor Mill Rd., Woodlawn     | 2                              | \$19.44                       | \$1.62                         |

## BELL ATLANTIC - WASHINGTON D.C.

| CO NAME & CLLI        | CO ADDRESS               | CENTRAL<br>OFFICE<br>RATE BAND | ANNUAL<br>RATE<br>per sq. ft. | MONTHLY<br>RATE<br>per sq. ft. |
|-----------------------|--------------------------|--------------------------------|-------------------------------|--------------------------------|
| 1 Downtown WASHDCDN   | 730 12th St. NW          | 5                              | \$32.52                       | \$2.71                         |
| 2 Dupont WASHDCDP     | 1700 14th St., NW        | 4                              | \$27.96                       | \$2.33                         |
| 3 FBI WASHDCFI        | 935 Pennsylvania Ave. NW | VIRTUAL                        |                               |                                |
| 4 Georgetown WASHDCGT | 1045 Wisconsin Av., NW   | 5                              | \$32.52                       | \$2.71                         |
| 5 Georgia WASHDCGG    | 926 Gallatin St. NW      | 4                              | \$27.96                       | \$2.33                         |
| 6 Metro WASHDCMO      | 1200 H St., NW           | 5                              | \$32.52                       | \$2.71                         |
| 7 Midtown WASHDCMT    | 2055 L St. NW            | 5                              | \$32.52                       | \$2.71                         |
| 8 Southwest WASHDCSW  | 30 E St. SW              | 5                              | \$32.52                       | \$2.71                         |
| 9 Woodley WASHDCWL    | 4268 Wisconsin Ave. NW   | 4                              | \$27.96                       | \$2.33                         |

## CENTRAL OFFICE OCCUPANCY FEES

## PHYSICAL COLLOCATED INTERCONNECTION

| CO NAME & CLLI               | CO ADDRESS                            | CENTRAL<br>OFFICE<br>RATE BAND | ANNUAL<br>RATE<br>per sq. ft. | MONTHLY<br>RATE<br>per sq. ft. |
|------------------------------|---------------------------------------|--------------------------------|-------------------------------|--------------------------------|
| 1. Aberdeen Road HMPNVAAB    | 1606 Aberdeen Rd., Hampton            | 2                              | \$19.44                       | \$1.62                         |
| 2. Alexandria ALXNVAAX       | 1316 Mt. Vernon Ave., Alexandria      | 3                              | \$23.52                       | \$1.96                         |
| 3. Arlington ARTNVAAR        | 1025 N. Irving St., Arlington         | 3                              | \$23.52                       | \$1.96                         |
| 4. Barcroft ALXNVABA         | 4805 King St., Arlington              | 2                              | \$19.44                       | \$1.62                         |
| 5. Braddock Rd. FRFXVABF     | 9419 Braddock Rd., Burke              | 2                              | \$19.44                       | \$1.62                         |
| 6. Bute Street NRFLVABS      | 120 W. Bute St., Norfolk              | 3                              | \$23.52                       | \$1.96                         |
| 7. Centreville CNVIVACT      | 13361 Lee Hwy., Fairfax               | 4                              | \$27.96                       | \$2.33                         |
| 8. Cogbill RCMDVACG          | 4320 Cogbill Rd., Richmond            | 2                              | \$19.44                       | \$1.62                         |
| 9. Columbia Pike ARTNVACK    | 900 S. Walter Reed Dr., Arlington     | VIRTUAL                        |                               |                                |
| 10. Culpeper CLPPVACU        | E. Piedmont St., Culpeper             | 1                              | \$16.20                       | \$1.35                         |
| 11. Danville DAVLVADA        | 730 Main St., Danville                | 1                              | \$16.20                       | \$1.35                         |
| 12. Fairfax FRFXVAFF         | 10431 Lee Hwy., Fairfax               | 3                              | \$23.52                       | \$1.96                         |
| 13. Falls Church ARTNVAFC    | 6700 Lee Hwy., Arlington              | VIRTUAL                        |                               |                                |
| 14. Fox Mill Rd. RSTNVAFM    | 2905 Fox Mill Rd., Herndon            | 3                              | \$23.52                       | \$1.96                         |
| 15. Fredericksburg FRBGVAFB  | 901 Prince Edward St., Fredericksburg | 2                              | \$19.44                       | \$1.62                         |
| 16. Grace Street RCMDVAGR    | 703 E. Grace St., Richmond            | 3                              | \$23.52                       | \$1.96                         |
| 17. Hermitage RCMDVAHR*      | 6102 Hermitage Rd., Richmond          | TBD                            |                               |                                |
| 18. Herndon HRNDVAHE         | 1130 Eldon St., Herndon               | VIRTUAL                        |                               |                                |
| 19. Hull RCMDVAHL            | 3310 Hull St., Richmond               | 1                              | \$16.20                       | \$1.35                         |
| 20. Indian River VRBHVAIR    | 6028 Indian Rvr. Rd., Virginia Beach  | 2                              | \$19.44                       | \$1.62                         |
| 21. Lewinsville MCLNVALV     | 1701 Chain Bridge Rd., McLean         | 4                              | \$27.96                       | \$2.33                         |
| 22. Luck RONKVALK            | 225 Franklin Rd., S.W., Roanoke       | 2                              | \$19.44                       | \$1.62                         |
| 23. Patterson RCMDVAPS       | 6917 Patterson Av., Richmond          | 3                              | \$23.52                       | \$1.96                         |
| 24. Pemberton Road RCMDVAPE  | 3500 Pemberton Rd., Richmond          | 2                              | \$19.44                       | \$1.62                         |
| 25. Pentagon PNTGVADF        | The Pentagon, Arlington               | VIRTUAL                        |                               |                                |
| 26. Queen Street HMPNVAQN    | 131 E. Queen St., Hampton             | 2                              | \$19.44                       | \$1.62                         |
| 27. Randall Av RCMDVARA      | 5101 Randall Av., Richmond            | TBD                            |                               |                                |
| 28. Sewells Point NRFLVASP   | 3131 E. Sewells Point Rd., Norfolk    | 2                              | \$19.44                       | \$1.62                         |
| 29. Staunton STTNVAST        | 115 Fillmore St., Staunton            | 1                              | \$16.20                       | \$1.35                         |
| 30. Stephens City STCYVASC   | Mulberry St., Stephens City           | 1                              | \$16.20                       | \$1.35                         |
| 31. Stuart Avenue RCMDVASR   | 2617 Stuart Ave., Richmond            | 3                              | \$23.52                       | \$1.96                         |
| 32. Timberlake LYBGVATM      | Timberlake Rd., Lynchburg             | 2                              | \$19.44                       | \$1.62                         |
| 33. Turner Rd RCMDVAIT       | 2510 Turner Rd., Richmond             | TBD                            |                               |                                |
| 34. W. Little Creek NRFLVAWC | 1624 W. Little Creek Rd., Norfolk     | 2                              | \$19.44                       | \$1.62                         |
| 35. Williamsburg WLBGVAWM    | 404 S. Henry St., Williamsburg        | 2                              | \$19.44                       | \$1.62                         |
| 36. Yellow Branch LYBGVAYB   | Rts. 29 & 689, Rustburg               | 1                              | \$16.20                       | \$1.35                         |

## BELL ATLANTIC - WEST VIRGINIA

| CO NAME & CLLI          | CO ADDRESS                  | CENTRAL<br>OFFICE<br>RATE BAND | ANNUAL<br>RATE<br>per sq. ft. | MONTHLY<br>RATE<br>per sq. ft. |
|-------------------------|-----------------------------|--------------------------------|-------------------------------|--------------------------------|
| 1. Charleston CHTNWVLE  | 816 Lee St., Charleston     | 5                              | \$32.52                       | \$2.71                         |
| 2. Hedgesville HDVLWVHV | School St., Hedgesville     | VIRTUAL                        |                               |                                |
| 3. Morgantown MGTWWVFY  | 145 Fayette St., Morgantown | 4                              | \$26.76                       | \$2.23                         |

## CENTRAL OFFICE OCCUPANCY FEES

## PHYSICAL COLLOCATED INTERCONNECTION

| CO NAME & CLLI          | CO ADDRESS                        | CENTRAL<br>OFFICE<br>RATE BAND | ANNUAL<br>RATE<br>per sq. ft. | MONTHLY<br>RATE<br>per sq. ft. |
|-------------------------|-----------------------------------|--------------------------------|-------------------------------|--------------------------------|
| 1. Marshallton MSTNDEMA | 1625 Newport Gap Pk., Marshallton | 2                              | \$19.44                       | \$1.62                         |
| 2. Newark NWRKDENB      | 1 Washington St., Newark          | 2                              | \$19.44                       | \$1.62                         |
| 3. Talleyville TLVLDETV | 2520 Silverside Rd., Talleyville  | 2                              | \$19.44                       | \$1.62                         |
| 4. Wilmington WLMGDEWL  | 901 Tatnall St., Wilmington       | 2                              | \$19.44                       | \$1.62                         |

**COLLOCATED INTERCONNECTION SERVICE  
OVERHEAD LOADING CALCULATIONS**

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**COSTS FOR COMPARABLE ACCESS SERVICES  
Channel Termination Costs, Transmittal No. 805 and No. 735**

| <u>LINE</u> | <u>CATEGORY</u>                        | <u>SOURCE</u>          | <u>DS3</u>      | <u>DS1</u>     |
|-------------|--|------------------------|-----------------|----------------|
| 1.          | UNIT INVESTMENT                        | Trans. 805             | \$84,638.55     | \$5,646.15     |
| 2.          | DEPRECIATION                           | Trans. 805             | \$6,906.38      | \$507.96       |
| 3.          | COST OF MONEY                          | Trans. 805             | \$5,025.76      | \$465.54       |
| 4.          | INCOME TAXES                           | Trans. 805             | \$2,319.21      | \$212.69       |
| 5.          | MAINTENANCE                            | Trans. 805             | \$1,422.45      | \$94.88        |
| 6.          | ADMINISTRATION                         | Trans. 805             | \$1,880.53      | \$170.61       |
| 7.          | OTHER TAXES                            | Trans. 805             | <u>\$358.20</u> | <u>\$30.64</u> |
| 8.          | ANNUAL DIRECT COSTS                    | L2+...L7               | \$17,912.53     | \$1,482.32     |
| 9.          | MONTHLY DIRECT COSTS                   | L8 / 12                | \$1,492.71      | \$123.53       |
| 10.         | SHORT-TERM DS3<br>MONTHLY DIRECT COSTS | Trans. 735<br>L9 / 67% | \$2,227.93      | NA             |

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**RATES FOR COMPARABLE ACCESS SERVICES  
Channel Termination Rates, Transmittal No. 805**

|     |                | <u>DS3</u> | <u>DS1</u> |
|-----|----------------|------------|------------|
| 11. | MONTH-TO-MONTH | \$3,080    | \$210      |
| 12. | 3 - YEAR       | \$2,700    | \$180      |
| 13. | 5 - YEAR       | \$1,900    | \$160      |
| 14. | SHORT-TERM DS3 | \$3,500    | NA         |

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**OVERHEAD LOADING FOR COMPARABLE ACCESS SERVICES  
Channel Termination Rates / Costs**

|     |                | <u>DS3</u> | <u>DS1</u> |
|-----|----------------|------------|------------|
| 15. | MONTH-TO-MONTH | L10 / L9   | 2.0634     |
| 16. | 3 - YEAR       | L11 / L9   | 1.8088     |
| 17. | 5 - YEAR       | L12 / L9   | 1.2729     |
| 18. | SHORT-TERM DS3 | L14 / L10  | 1.5710     |



**COLLOCATED INTERCONNECTION SERVICE  
PHYSICAL RATES**

| <u>LINE</u>  | <u>DESCRIPTION</u>                       | <u>MONTHLY<br/>RECURRING</u> | <u>NON-<br/>RECURRING<br/>CHARGE</u> |
|--|--|------------------------------|--------------------------------------|
| <b><u>CROSS CONNECT CHARGES (per service)</u></b>      |  |                              |                                      |
| <b><u>DS1 1.544 Mbps DS1 Switched and Special</u></b>  |  |                              |                                      |
| 1.   | Month to Month                           | \$17.51                      | *                                    |
| 2.   | 3-Year TPP                               | \$15.01                      | *                                    |
| 3.   | 5-Year TPP                               | \$13.34                      | *                                    |
| 4.   | * Install First                          | N/A                          | \$1.00                               |
| 5.   | * Install Each Additional                | N/A                          | \$0.75                               |
| 6.   | * Rearrange First                        | N/A                          | \$0.90                               |
| 7.   | * Rearrange Each Additional              | N/A                          | \$0.60                               |
| <b><u>DS3 44.736 Mbps DS3 Switched and Special</u></b> |  |                              |                                      |
| 8.   | Month to Month                           | \$174.07                     | \$1.00                               |
| 9.   | 3-Year TPP                               | \$152.59                     | \$1.00                               |
| 10.  | 5-Year TPP                               | \$107.38                     | \$1.00                               |
| 11.  | Short Term DS3 44.736 Mbps Special *     | \$197.81                     | \$864.00                             |
| <b><u>NETWORK CABLE RACK (per service)</u></b>         |  |                              |                                      |
| 12.  | Network Cable Rack                       | \$1.31                       | N/A                                  |
| <b><u>CABLE SUPPORT CHARGES (per cable)</u></b>        |  |                              |                                      |
| 13.  | Cable Support Structure                  | \$132.77                     | N/A                                  |
| 14.  | Cable Installation Fee                   | N/A                          | \$648.00                             |
| <b><u>DESIGN AND PLANNING FEE (per occurrence)</u></b> |  |                              |                                      |
| 15.  | Single Entrance (per occurrence)         | N/A                          | \$3,530.00                           |
| 16.  | Dual Entrance (per occurrence)           | N/A                          | \$4,255.00                           |
| 17.  | Site Augmentation (per occurrence)       | N/A                          | \$1,505.00                           |
| <b><u>POWER</u></b>                                    |  |                              |                                      |
| 18.  | Per nominal negative 48V, 10 amp circuit | \$174.43                     | N/A                                  |

\* NRC from current tariff

**COLLOCATED INTERCONNECTION SERVICE  
PHYSICAL RATES**

| <u>LINE</u>  | <u>DESCRIPTION</u>           | <u>MONTHLY<br/>RECURRING</u> | <u>NON-<br/>RECURRING<br/>CHARGE</u> |
|--|------------------------------|------------------------------|--------------------------------------|
| <b><u>CENTRAL OFFICE OCCUPANCY FEE (per square foot)</u></b> |                              |                              |                                      |
| 19.  | Band 1 (Range \$1.20-\$1.40) | \$1.35                       | N/A                                  |
| 20.  | Band 2 (Range \$1.41-\$1.74) | \$1.62                       | N/A                                  |
| 21.  | Band 3 (Range \$1.75-\$2.16) | \$1.96                       | N/A                                  |
| 22.  | Band 4 (Range \$2.17-\$2.49) | \$1.33                       | N/A                                  |
| 23.  | Band 5 (Range \$2.50-\$2.92) | \$2.71                       | N/A                                  |
| 24.  | Band 6 (Range \$2.93-\$3.33) | \$3.13                       | N/A                                  |
| 25.  | Band 7 (Range \$3.34-\$4.17) | \$3.76                       | N/A                                  |
| <b><u>CAGE CONSTRUCTION CHARGES</u></b>                      |                              |                              |                                      |
| 26.  | Standard 100 Square Foot     | N/A                          | \$5,300.00                           |
| 27.  | Standard 200 Square Foot     | N/A                          | \$7,300.00                           |
| 28.  | Standard 300 Square Foot     | N/A                          | \$9,750.00                           |
| 29.  | Standard 400 Square Foot     | N/A                          | \$11,980.00                          |
| 30.  | Non-standard 100 Square Foot | N/A                          | \$7,200.00                           |
| 31.  | Non-standard 200 Square Foot | N/A                          | \$10,800.00                          |
| 32.  | Non-standard 300 Square Foot | N/A                          | \$14,700.00                          |
| 33.  | Non-standard 400 Square Foot | N/A                          | \$18,550.00                          |
| <b><u>AC OUTLET CONSTRUCTION (20 amp circuit)</u></b>        |                              |                              |                                      |
| 34.  | Per Outlet                   | N/A                          | \$408.00                             |
| <b><u>OVERHEAD LIGHTING CONSTRUCTION</u></b>                 |                              |                              |                                      |
| 35.  | Per Initial Fixture          | N/A                          | \$904.00                             |
| 36.  | Each additional Fixture      | N/A                          | \$170.00                             |

**COLLOCATED INTERCONNECTION SERVICE  
VIRTUAL RATES**

| <u>LINE</u>  | <u>DESCRIPTION</u>                    | <u>MONTHLY<br/>RECURRING</u> | <u>NON-<br/>RECURRING<br/>CHARGE</u> |
|--|---------------------------------------|------------------------------|--------------------------------------|
| <b><u>CROSS CONNECT CHARGES (per service)</u></b>      |                                       |                              |                                      |
| <b><u>DS1 1.544 Mbps DS1 Switched and Special</u></b>  |                                       |                              |                                      |
| 1.   | Month to Month                        | \$19.60                      | *                                    |
| 2.   | 3-Year TPP                            | \$16.80                      | *                                    |
| 3.   | 5-Year TPP                            | \$14.93                      | *                                    |
| 4.   | * Install First                       | N/A                          | \$1.00                               |
| 5.   | * Install Each Additional             | N/A                          | \$0.75                               |
| 6.   | * Rearrange First                     | N/A                          | \$0.90                               |
| 7.   | * Rearrange Each Additional           | N/A                          | \$0.60                               |
| <b><u>DS3 44.736 Mbps DS3 Switched and Special</u></b> |                                       |                              |                                      |
| 8.   | Month to Month *                      | \$207.24                     | \$1.00                               |
| 9.   | 3-Year TPP                            | \$205.17                     | \$1.00                               |
| 10.  | 5-Year TPP                            | \$144.38                     | \$1.00                               |
| 11.  | Short Term DS3 44.736 Mbps Special ** | \$265.97                     | \$864.00                             |

\* DS3 Overhead factor 1.8270 was used to maintain a monthly rate equal to the current tariff. Waiver from FCC's prescribed overhead factors is pending.

\*\* NRC from current tariff.

## COLLOCATED INTERCONNECTION SERVICE

## DEMAND, COSTS, AND RATES

| <u>LINE</u>                                    | <u>DESCRIPTION</u>                                | <u>ANNUAL<br/>DEMAND<br/>PHYSICAL</u> | <u>ANNUAL<br/>DEMAND<br/>VIRTUAL</u> | <u>DIRECT<br/>COSTS<br/>PHYSICAL</u> | <u>DIRECT<br/>COSTS<br/>VIRTUAL</u> | <u>RATE<br/>PHYSICAL</u> | <u>RATE<br/>VIRTUAL</u> |
|--|---|---------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|--------------------------|-------------------------|
| <b>CROSS-CONNECT CHARGES</b>                   |   |                                       |                                      |                                      |                                     |                          |                         |
| DS1 1.544 Mbps Switched and Special, per unit  |   |                                       |                                      |                                      |                                     |                          |                         |
| 1.   | Month-to-Month                                    | 605                                   | 907                                  | \$10.30                              | \$11.53                             | \$17.51                  | \$19.60                 |
| 2.   | 3-Year TPP  | 403                                   | 605                                  | \$10.30                              | \$11.53                             | \$15.01                  | \$16.80                 |
| 3.   | 5-Year TPP  | 3,024                                 | 4536                                 | \$10.30                              | \$11.53                             | \$13.34                  | \$14.93                 |
| DS3 44.736 Mbps Switched and Special, per unit |   |                                       |                                      |                                      |                                     |                          |                         |
| 4.   | Month-to-Month                                    | 24                                    | 37                                   | \$84.36                              | \$113.43                            | \$174.07                 | \$207.24                |
| 5.   | 3-Year TPP  | 23                                    | 35                                   | \$84.36                              | \$113.43                            | \$152.59                 | \$205.17                |
| 6.   | 5-Year TPP  | 96                                    | 145                                  | \$84.36                              | \$113.43                            | \$107.38                 | \$144.38                |
| 7.   | Short-Term DS3                                    | 1                                     | 2                                    | \$125.91                             | \$169.30                            | \$197.81                 | \$265.97                |
| 8.   | Network Cable Rack                                | 4,176                                 | N/A                                  | \$1.03                               | N/A                                 | \$1.31                   | N/A                     |
| <b>CABLE SUPPORT CHARGES</b>                   |   |                                       |                                      |                                      |                                     |                          |                         |
| 9.   | Cable Support Structure, per cable, monthly       | 360                                   | N/A                                  | \$104.31                             | N/A                                 | \$132.77                 | N/A                     |
| 10.  | Cable Installation Fee, per installed cable (NRC) | 30                                    | N/A                                  | \$647.80                             | N/A                                 | \$647.80                 | N/A                     |
| <b>DESIGN AND PLANNING FEE</b>                 |   |                                       |                                      |                                      |                                     |                          |                         |
| 11.  | Single Entrance, per occurrence                   | 18                                    | N/A                                  | \$3,529.72                           | N/A                                 | \$3,530.00               | N/A                     |
| 12.  | Dual Entrance, per occurrence                     | 6                                     | N/A                                  | \$4,255.40                           | N/A                                 | \$4,255.00               | N/A                     |
| 13.  | Site Augmentation, per occurrence                 | 1                                     | N/A                                  | \$1,505.32                           | N/A                                 | \$1,505.00               | N/A                     |
| <b>POWER</b>                                   |   |                                       |                                      |                                      |                                     |                          |                         |
| 14.  | Per Nominal Negative 48-VOLT, 10-Amp              | 288                                   | N/A                                  | \$174.43                             | N/A                                 | \$174.43                 | N/A                     |

## COLLOCATED INTERCONNECTION SERVICE

## DEMAND, COSTS, AND RATES

| <u>LINE</u>                            | <u>DESCRIPTION</u>              | <u>ANNUAL<br/>DEMAND<br/>PHYSICAL</u> | <u>ANNUAL<br/>DEMAND<br/>VIRTUAL</u> | <u>DIRECT<br/>COSTS<br/>PHYSICAL</u> | <u>DIRECT<br/>COSTS<br/>VIRTUAL</u> | <u>RATE<br/>PHYSICAL</u> | <u>RATE<br/>VIRTUAL</u> |
|--|---------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|--------------------------|-------------------------|
| <b>OCCUPANCY FEE</b>                   |                                 |                                       |                                      |                                      |                                     |                          |                         |
| 15.                                    | Per Square Foot, monthly *      | 28,800                                | N/A                                  | \$2.00                               | N/A                                 | \$2.00                   | N/A                     |
| <b>CAGE CONSTRUCTION CHARGES</b>       |                                 |                                       |                                      |                                      |                                     |                          |                         |
| 16.                                    | Standard 100 Square Foot        | 20                                    | N/A                                  | \$5,300                              | N/A                                 | \$5,300                  | N/A                     |
| 17.                                    | Standard 200 Square Foot        | 5                                     | N/A                                  | \$7,300                              | N/A                                 | \$7,300                  | N/A                     |
| 18.                                    | Standard 300 Square Foot        | 0                                     | N/A                                  | \$9,750                              | N/A                                 | \$9,750                  | N/A                     |
| 19.                                    | Standard 400 Square Foot        | 0                                     | N/A                                  | \$11,980                             | N/A                                 | \$11,980                 | N/A                     |
| 20.                                    | Non-standard 100 Square Foot    | 0                                     | N/A                                  | \$7,200                              | N/A                                 | \$7,200                  | N/A                     |
| 21.                                    | Non-standard 200 Square Foot    | 0                                     | N/A                                  | \$10,800                             | N/A                                 | \$10,800                 | N/A                     |
| 22.                                    | Non-standard 300 Square Foot    | 0                                     | N/A                                  | \$14,700                             | N/A                                 | \$14,700                 | N/A                     |
| 23.                                    | Non-standard 400 Square Foot    | 0                                     | N/A                                  | \$18,500                             | N/A                                 | \$18,500                 | N/A                     |
| <b>AC OUTLET CONSTRUCTION (20 AMP)</b> |                                 |                                       |                                      |                                      |                                     |                          |                         |
| 24.                                    | Per Outlet and Circuit          | 25                                    | N/A                                  | \$408                                | N/A                                 | \$408                    | N/A                     |
| <b>OVERHEAD LIGHT CONSTRUCTION</b>     |                                 |                                       |                                      |                                      |                                     |                          |                         |
| 25.                                    | Initial Light Fixture (Each)    | 24                                    | N/A                                  | \$904                                | N/A                                 | \$904                    | N/A                     |
| 26.                                    | Additional Light Fixture (Each) | 1                                     | N/A                                  | \$112                                | N/A                                 | \$112                    | N/A                     |

\* Cost / Rate is an average of all central offices.

## COLLOCATED INTERCONNECTION SERVICE

## ANNUAL COSTS AND REVENUES

| <u>LINE</u>                                   | <u>DESCRIPTION</u>                                | <u>SOURCE</u> | <u>COSTS<br/>PHYSICAL</u> | <u>COSTS<br/>VIRTUAL</u> | <u>REVENUES<br/>PHYSICAL</u> | <u>REVENUES<br/>VIRTUAL</u> |
|---|---|---------------|---------------------------|--------------------------|------------------------------|-----------------------------|
| <b>CROSS-CONNECT CHARGES</b>                  |   |               |                           |                          |                              |                             |
| DS1 1.544 Mbps Switched and Special per unit  |   |               |                           |                          |                              |                             |
| 1.  | Month-to-Month                                    | WP5-13, L1    | \$74,778                  | \$125,493                | \$127,123                    | \$213,326                   |
| 2.  | 3-Year TPP  | WP5-13, L2    | \$49,811                  | \$83,708                 | \$72,588                     | \$121,968                   |
| 3.  | 5-Year TPP  | WP5-13, L3    | \$373,766                 | \$627,601                | \$484,082                    | \$812,670                   |
| DS3 44.736 Mbps Switched and Special per unit |   |               |                           |                          |                              |                             |
| 4.  | Month-to-Month                                    | WP5-13, L4    | \$24,296                  | \$50,363                 | \$50,132                     | \$92,015                    |
| 5.  | 3-Year TPP  | WP5-13, L5    | \$23,283                  | \$47,641                 | \$42,115                     | \$86,171                    |
| 6.  | 5-Year TPP  | WP5-13, L6    | \$97,183                  | \$197,368                | \$123,702                    | \$251,221                   |
| Short-Term DS3                                |   |               |                           |                          |                              |                             |
| 7.  | Monthly Recurring                                 | WP5-13, L7    | \$126                     | \$339                    | \$198                        | \$532                       |
| 8.  | Non-Recurring Charge *                            | WP5-10, L11   | \$864                     | \$1,728                  | \$864                        | \$1,728                     |
| 9.  | Network cable rack                                | WP5-13, L8    | \$51,615                  | N/A                      | \$65,647                     | N/A                         |
| <b>CABLE SUPPORT CHARGES</b>                  |   |               |                           |                          |                              |                             |
| 10.   | Cable Support Structure, per cable, monthly       | WP5-13, L9    | \$450,619                 | N/A                      | \$573,566                    | N/A                         |
| 11.   | Cable Installation Fee, per installed cable (NRC) | WP5-13, L10   | \$233,208                 | N/A                      | \$233,208                    | N/A                         |
| <b>DESIGN AND PLANNING FEE</b>                |   |               |                           |                          |                              |                             |
| 12.   | Single Entrance, per occurrence                   | WP5-13, L11   | \$63,535                  | N/A                      | \$63,540                     | N/A                         |
| 13.   | Dual Entrance, per occurrence                     | WP5-13, L12   | \$25,532                  | N/A                      | \$25,530                     | N/A                         |
| 14.   | Site Augmentation, per occurrence                 | WP5-13, L13   | \$1,505                   | N/A                      | \$1,505                      | N/A                         |

## COLLOCATED INTERCONNECTION SERVICE

## ANNUAL COSTS AND REVENUES

| <u>LINE</u>                            | <u>DESCRIPTION</u>                                    | <u>SOURCE</u> | <u>COSTS<br/>PHYSICAL</u> | <u>COSTS<br/>VIRTUAL</u> | <u>REVENUES<br/>PHYSICAL</u> | <u>REVENUES<br/>VIRTUAL</u> |
|--|---|---------------|---------------------------|--------------------------|------------------------------|-----------------------------|
| <b>POWER</b>                           |   |               |                           |                          |                              |                             |
| 15.                                    | Per Nominal Negative 48-VOLT, 10 Amp Circuit, monthly | WP5-13, L14   | \$602,830                 | N/A                      | \$602,830                    | N/A                         |
| <b>OCCUPANCY FEE</b>                   |   |               |                           |                          |                              |                             |
| 16.                                    | Per Square Foot, monthly **                           | WP5-13.1, L15 | \$691,200                 | N/A                      | \$691,200                    | N/A                         |
| <b>CAGE CONSTRUCTION CHARGES</b>       |   |               |                           |                          |                              |                             |
| 17.                                    | Standard 100 Square Foot                              | WP5-13.1, L16 | \$106,000                 | N/A                      | \$106,000                    | N/A                         |
| 18.                                    | Standard 200 Square Foot                              | WP5-13.1, L17 | \$36,500                  | N/A                      | \$36,500                     | N/A                         |
| 19.                                    | Standard 300 Square Foot                              | WP5-13.1, L18 | \$0                       | N/A                      | \$0                          | N/A                         |
| 20.                                    | Standard 400 Square Foot                              | WP5-13.1, L19 | \$0                       | N/A                      | \$0                          | N/A                         |
| 21.                                    | Non-standard 100 Square Foot                          | WP5-13.1, L20 | \$0                       | N/A                      | \$0                          | N/A                         |
| 22.                                    | Non-standard 200 Square Foot                          | WP5-13.1, L21 | \$0                       | N/A                      | \$0                          | N/A                         |
| 23.                                    | Non-standard 300 Square Foot                          | WP5-13.1, L22 | \$0                       | N/A                      | \$0                          | N/A                         |
| 24.                                    | Non-standard 400 Square Foot                          | WP5-13.1, L23 | \$0                       | N/A                      | \$0                          | N/A                         |
| <b>AC OUTLET CONSTRUCTION (20 AMP)</b> |   |               |                           |                          |                              |                             |
| 25.                                    | Per Outlet and Circuit                                | WP5-13.1, L24 | \$10,200                  | N/A                      | \$10,200                     | N/A                         |
| <b>OVERHEAD LIGHT CONSTRUCTION</b>     |   |               |                           |                          |                              |                             |
| 26.                                    | Initial Light Fixture (Each)                          | WP5-13.1, L25 | \$21,696                  | N/A                      | \$21,696                     | N/A                         |
| 27.                                    | Additional Light Fixture (Each)                       | WP5-13.1, L26 | \$112                     | N/A                      | \$112                        | N/A                         |

\*\* Cost / Rate is an average of all central offices.